	Application No.	Applicant(s)	
Notice of Allowability	09/511,358	KOZUKA ET AL.	
	Examiner	Art Unit	
	Wai-Sing Louie	2814	AN
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	ars on the cover sheet with the (OR REMAINS) CLOSED in this or other appropriate communicat GHTS. This application is subject	application. If not included ion will be mailed in due co	i ourse. THIS
1. This communication is responsive to 8/23/2004.			
2. The allowed claim(s) is/are <u>1-3,5-10 and 17</u> .			
3. \boxtimes The drawings filed on <u>23 February 2000</u> are accepted by the	e Examiner.		
 4. Acknowledgment is made of a claim for foreign priority una) All b) Some* c) None of the: Certified copies of the priority documents have Certified copies of the priority documents have Copies of the certified copies of the priority documents have Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received:	been received been received in Application No.		on from the
Applicant has THREE MONTHS FROM THE "MAILING DATE" on noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		oly complying with the requ	irements
5. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give			TICE OF
 6. CORRECTED DRAWINGS (as "replacement sheets") mus (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the post attached Examiner's comment regarding REQUIREMENT In the post attached	on's Patent Drawing Review (PT Amendment / Comment or in the 84(c)) should be written on the dra ne header according to 37 CFR 1.13 sit of BIOLOGICAL MATERIA	e Office action of wings In the front (not the b 21(d). L must be submitted. No	
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Summa Paper No./Mail I 8), 7. ☐ Examiner's Amel	Date	·

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DETAILED ACTION

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with John A. Krause on 11/9/2004.

The application has been amended as follows:

In the claim

Cancel claims 11-16.

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance:

The claimed invention is a photoelectric conversion device comprising:

- A first-conductivity type first semiconductor region located in a pixel region;
- A second-conductivity type second semiconductor region provided in the first semiconductor region and capable of accumulating photoelectric carriers in a floating state, wherein said first and second semiconductor regions form a photodiode;

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• A wiring for electrically connecting directly the second semiconductor region to a circuit element located outside the pixel region; and

• A conductor maintained at a predetermined potential and disposed over one side of said wiring within the pixel region wherein an insulator is inserted between said conductor and said wiring so that said conductor does not contact said wiring, and the one side of said wiring is opposite to a side of said wiring at which said wiring is connected to said second semiconductor region, and, wherein said conductor is formed in the same layer as a light-screening layer in said pixel region.

The prior art of record does not disclose or suggest either in singly or in combination the following limitations and other elements in the claims:

- Reference Isogai et al. (US 6,188,093) do not disclose a conductor maintained at a predetermined potential and disposed over one side of said wiring within the pixel region wherein an insulator is inserted between said conductor and said wiring so that said conductor does not contact said wiring, and the one side of said wiring is opposite to a side of said wiring at which said wiring is connected to said second semiconductor region, and, wherein said conductor is formed in the same layer as a light-screening layer in said pixel region.
- Reference Kuhara et al. (US 6,043,550) do not disclose a conductor maintained at a predetermined potential and disposed over one side of said wiring within the pixel region wherein an insulator is inserted between said conductor and said

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wiring so that said conductor does not contact said wiring, and the one side of said wiring is opposite to a side of said wiring at which said wiring is connected to said second semiconductor region, and, wherein said conductor is formed in the same layer as a light-screening layer in said pixel region.

Therefore, the above references do not disclose the claimed invention of present application and claims 1-3, 5-10, and 17 are allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Wai-Sing Louie whose telephone number is (571) 272-1709. The examiner can normally be reached on 7:30 AM to 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wael Fahmy can be reached on (571) 272-1705. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

November 9, 2004.